

Title (en)

Resonant inverter system and circuit for controlling the resonant inverter system.

Title (de)

Resonanzwechselrichtereinrichtung und Schaltung zur Steuerung der Resonanzwechselrichtereinrichtung.

Title (fr)

Dispositif onduleur à résonance et circuit de commande du dispositif onduleur à résonance.

Publication

EP 0297708 A2 19890104 (EN)

Application

EP 88304279 A 19880511

Priority

US 6737887 A 19870629

Abstract (en)

An inverter system has first and second resonating current sources (50-63, 70-83) which are resonant at the same frequency. The currents of the two sources are combined. At lower power levels, the currents are substantially out of phase and the frequency is adjusted. At intermediate power levels, the phases of the currents are adjusted and the frequency is fixed. At high power levels, the currents are substantially in phase and the frequency is adjusted.

IPC 1-7

H02M 3/28; **H02M 3/315**

IPC 8 full level

H02M 3/28 (2006.01); **H02M 3/315** (2006.01)

CPC (source: EP US)

H02M 3/3155 (2013.01 - EP US)

Citation (applicant)

FR 2215743 A1 19740823 - ISOLUX SA [ES]

Cited by

EP0503862A3; EP1976108A3; GB2311422A; US5880944A; GB2311422B; EP0797289A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 88304279 A 19880511; AT 88304279 T 19880511; DE 3879558 T 19880511; JP 8835588 A 19880412; US 6737887 A 19870629